

CRC PF Precision Cleaner

DIRECTIONS: Read entire label before using this product. 1. For personal safety, do not apply while equipment is energized. 2. For optimum results, prepare heavily soiled surfaces by buffing with a mild abrasive or spray with CRC Duster™. 3. Spray on surface to be cleaned. 4. Use an intermittent spray pattern to dislodge trapped debris. 5. If necessary, repeat step 2 until surface meets desired cleanliness.

INSTRUCCIONES: Lea toda la etiqueta antes de usar este producto. 1. Por razones de seguridad personal, no aplique el producto mientras el equipo esté conectado. 2. Para obtener resultados óptimos, pule con un abrasivo suave las superficies que presenten una gran cantidad de suciedad, o rocíe con el aerosol antihumedad Duster™ de CRC. 3. Rocíe sobre la superficie a limpiar. 4. Utilice un patrón de rociado intermitente para quitar residuos que hayan quedado atrapados. 5. Si fuera necesario, repita el paso 2 hasta que la superficie alcance el grado de limpieza deseado.

Warning: Contains gas under pressure; may explode if heated. Causes serious eye irritation.

Precautionary Statements: Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride and possibly phosgene. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear eye/face protection. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst. Dispose of contents/container in accordance with local/regional/national regulations.

First Aid: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Contains Decafluoropentane (138495-42-8), 1,1,1,2-Tetrafluoroethane (811-97-2), Trans-1,2-dichloroethylene (156-60-5) and Isopropyl alcohol (67-63-0). Deliberate misuse by concentrating and inhaling the contents is illegal and can be harmful or fatal. Inhalation abuse can cause death. For additional information, consult SDS for this product.

Electrical Shock Hazard: This can will conduct electricity. Do not touch can to live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from electrical shock.

Advertencia: Contiene gas a presión; puede explotar si se calienta. Provoca irritación ocular grave.

Consejos de prudencia: No perforo ni incinere el envase. No exponer al calor ni almacenar a temperaturas superiores a 49°C/120°F. Al exponerlo al calor extremo, los vapores pueden descomponerse en gases corrosivos y tóxicos como el fluoruro de hidrógeno, cloruro de hidrogeno y, posiblemente, el fosgeno. Usar con ventilación adecuada. Abra las puertas y ventanas y utilice otros medios para asegurar la provisión de aire fresco al utilizar el producto y mientras se esté secando. Si presenta algunos de los síntomas enumerados en esta etiqueta, aumente la ventilación o deje el área. Lávese cuidadosamente después de la manipulación. Usar protección para los ojos/la cara. Proteger de la luz solar. Almacenar en un lugar bien ventilado. La exposición a altas temperaturas puede provocar que la lata estalle. Eliminación de contenidos / contenido en consonancia con los reglamentos locales / regionales / nacionales pertinentes.

Primeros Auxilios: En caso de contacto con los ojos: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. Si persiste la irritación de los ojos: Busque atención médica.

Su mal uso deliberado, concentrando e inhalando su contenido es ilegal y puede ser perjudicial o fatal. La inhalación abusiva puede causar la muerte. Para mayor información, consulte la Hoja de Datos de Seguridad para este producto.

Peligro de Descarga Eléctrica: Este recipiente es conductor de electricidad. Mantenga la lata alejada de toda fuente eléctrica viva, incluyendo terminales de batería, solenoides, paneles eléctricos y otros componentes electrónicos. El no respetar estas advertencias puede causar heridas graves por descargas eléctricas.

VOC Category: Electronic Cleaner | VOC Limit: 75%

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800-521-3168 (Technical Information) • 800-272-4620 (Customer Care) • 215-442-6260 (SDS)



Nonfood Compounds
Program Listed
Category Code: K2
Reg.# 122778



PF Precision Cleaner

Limpiador de precisión PF

Non-Flammable
Plastic Safe
Fast Evaporation

No Inflammable
Inocuo para el Plástico
Rápida Evaporación

WARNING:
CAUSES EYE IRRITATION.
CONTENTS UNDER PRESSURE.
KEEP AWAY FROM CHILDREN.
Read warnings on back panel.

ADVERTENCIA:
PROVOCA IRRITACIÓN OCULAR.
CONTENIDO BAJO PRESIÓN.
MANTENGA FUERA DEL
ALCANCE DE LOS NIÑOS.
Lea las advertencias en el dorso.



No. 02190
Net Wt./Peso Neto
14 oz (396 g)

To review S.D.S.: Tear (DO NOT CUT) label along these perforations and fold back label. After viewing, reattach label. Do not completely remove label until can is empty. Para revisar la Hoja de Datos de Seguridad (HDS): Rasgue (NO CORTE) la etiqueta siguiendo estas perforaciones y dóblela hacia atrás. Al terminar, vuelva a pegar la etiqueta. No la retire completamente hasta que la lata esté vacía.

1. Identification

Product identifier: PF Precision Cleaner

Product code 02190

Recommended use Precision electronics cleaner

Restrictions None known.

Manufactured or sold by:

CRC Industries, Inc., 885 Louis Drive, Warminster, PA 18974

Phone: 215-674-4300

Emergency phone number CHEMTREC - 24 HOURS: 800-424-9300

2. Hazard(s) identification

Physical hazards Gases under pressure (Liquefied gas)

Health hazards Serious eye damage/eye irritation (Category 2A)

Label elements (see front side of label)

3. Composition/information on ingredients

Hazardous components

Chemical name	CAS number	%
Decafluoropentane	138495-42-8	40 – 50
1,1,1,2-Tetrafluoroethane	811-97-2	30 – 40
Trans-1,2-dichloroethylene	156-60-5	3 – 5
Isopropyl alcohol	67-63-0	1 – 3

(Specific chemical identity and/or percentage of composition has been withheld as a trade secret.)

4. First-aid measures

Inhalation Move person to fresh air and keep at rest. Call a physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.

Most important symptoms/effects Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media None known.

Specific hazards During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do it without risk. Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental release measures

Personal precautions Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Ensure adequate ventilation. Emergency personnel need self-contained breathing equipment.

Containment and cleaning up Eliminate all ignition sources. Keep combustibles away from spilled material. Absorb in vermiculite, dry sand, earth or other absorbent material and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Handling Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate protective equipment. Wash thoroughly after handling.

Storage Store in a cool, dry place (below 120°F/49°C) and out of direct sunlight. Store in a well-ventilated place away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value
Isopropyl alcohol	TWA	200 ppm
Trans-1,2-dichloroethylene	TWA	200 ppm
1,1,1,2-Tetrafluoroethane	TWA	1000 ppm

Appropriate engineering controls Mechanical ventilation or local exhaust ventilation is recommended.

Individual protection measures:

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear protective gloves such as nitrile, neoprene, PVA or Viton®.

Respiratory protection If needed, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

9. Physical and chemical properties

Appearance Clear colorless liquid.

Odor Slight ethereal odor.

Odor threshold Not available.

pH Not available.

Melting point/freezing point -127 °F (-89 °C)

Initial boiling point 120 °F (49 °C)

Flash point None (Tag Closed Cup)

Evaporation rate Very fast.

Explosive limit - lower (%) 2

Explosive limit - upper (%) 18

Vapor pressure 2865 hPa

Vapor density > 2 (Air = 1)

Relative density 1.4

Solubility(ies) Slight in water

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 750 °F (399 °C)

Decomposition temperature Not available.

Viscosity Not available.

VOC (Weight %): 6% (0.75 lbs/gal, 90.3 g/l)

10. Stability and reactivity

Reactivity Non-reactive

Chemical stability Stable

Possibility of hazardous reactions No

Conditions to avoid Heat, flames and sparks. Sunlight. Extreme temperatures.

Incompatible materials Alkali metals. Alkaline earth metals. Powdered metal. Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products Hydrogen fluoride. Hydrogen chloride. Carbon oxides. Phosgene.

11. Toxicological information

Information on likely routes of exposure:

Ingestion Expected to be a low ingestion hazard.

Inhalation Prolonged inhalation may be harmful.

Skin contact Prolonged skin contact may cause temporary irritation.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision

Information on toxicological effects:

Acute toxicity Severe eye irritation.

Respiratory sensitization Not available.

Skin sensitization Not expected to cause skin sensitization.

Carcinogenicity Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity Not expected to cause reproductive or developmental effects.

Aspiration hazard Based on available data, the classification criteria are not met.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

See full SDS for additional information

13. Disposal considerations

Disposal instructions This product is not a RCRA hazardous waste. Empty containers may be recycled.

Hazardous waste code Not regulated

14. Transport information

DOT shipping description: UN1950, Aerosols, non-flammable, 2.2, limited quantity

15. Regulatory information

SARA 313 None

See full SDS for additional information

16. Other information

Issue date 10/15/2014

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